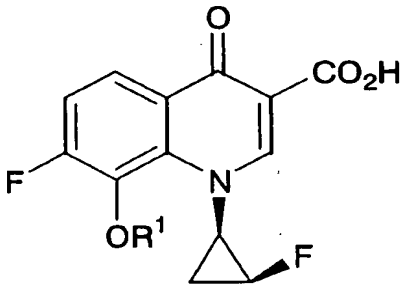
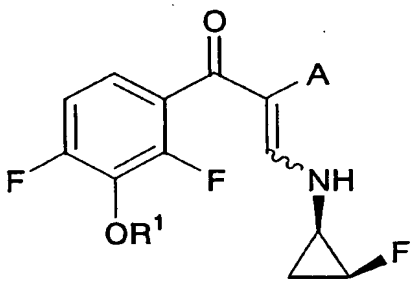
CLAIMS:

1. A method for producing a compound represented by the following formula (VI):



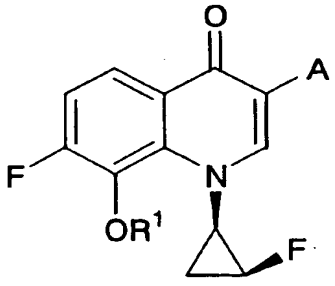
(VI)

wherein R^1 represents a lower alkyl group which comprises the steps of treating a compound represented by formula (IV):



(IV)

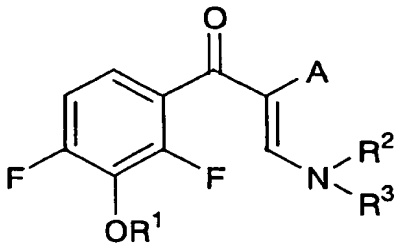
wherein R^1 is as defined above and A represents nitrile group or an alkoxycarbonyl group with a base to produce a compound represented by formula (V):



(V)

wherein R^1 and A are as defined above, and hydrolyzing this compound.

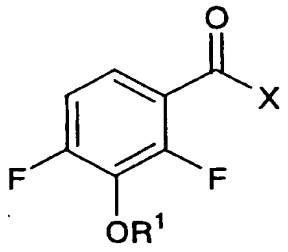
2. The method according to claim 1, wherein the compound represented by formula (IV) is produced by reacting a compound represented by formula (II):



(II)

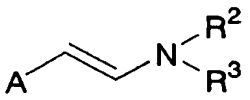
wherein R^2 and R^3 are the same or different lower alkyl groups and R^1 and A are as defined above with (1R,2S)-2-fluorocyclopropylamine.

3. The method according to claim 2, wherein the compound represented by formula (II) is produced by reacting a compound represented by formula (I):



(I)

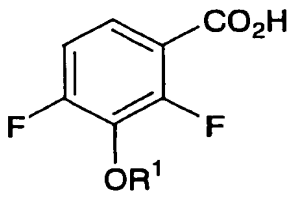
wherein R^1 is a lower alkyl group and X represents a halogen atom or an acyloxy group with a compound represented by formula (III):



(III)

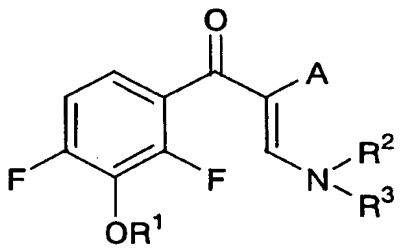
wherein A, R^2 and R^3 are as defined above.

4. The method according to claim 3, wherein the compound represented by formula (I) is produced by reacting a compound represented by formula:



wherein R^1 and X are as defined above with a halogenating agent or an acid anhydride.

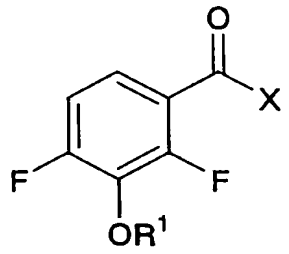
5. A compound represented by formula (II):



(II)

wherein R^1 represents a lower alkyl group, R^2 and R^3 represent the same or different lower alkyl groups and A represents nitrile group or an alkoxycarbonyl group.

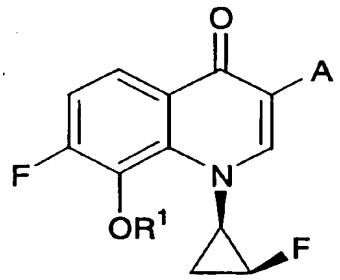
6. A compound represented by formula (Ia):



(Ia)

wherein R^1 represents a lower alkyl group and X represents an acyloxy group.

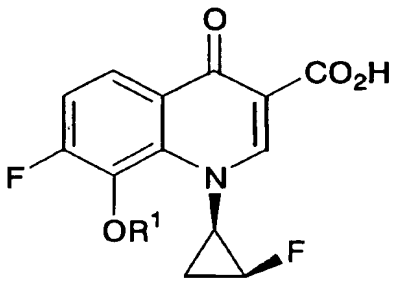
7. A compound represented by formula (V):



(V)

wherein R^1 represents a lower alkyl group and A represents nitrile group or an alkoxycarbonyl group.

8. A compound represented by formula (VI):



(VI)

wherein R^1 represents a lower alkyl group.